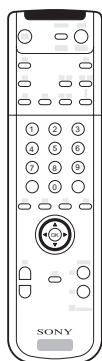
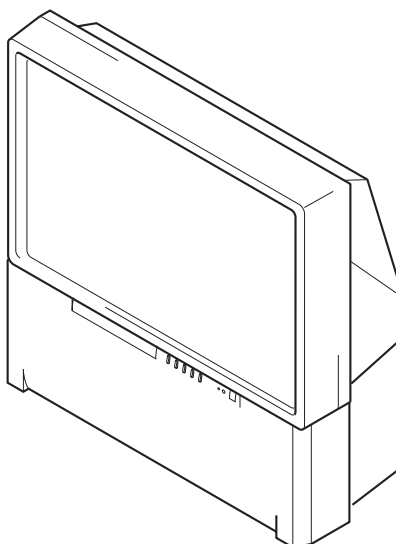


SERVICE MANUAL RE-2A CHASSIS

| <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> |
|--------------|------------------|--------------|--------------------|
| KP-41PX1 | RM-892 | AEP | SCC-P66A-A |
| KP-41PX1K | RM-892 | OIRT | SCC-P68A-A |
| KP-41PX1R | RM-862 | Russian | SCC-P67A-A |



RM-892



PROJECTION TV
SONY®

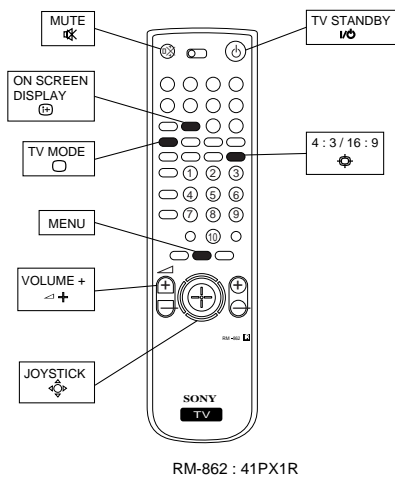
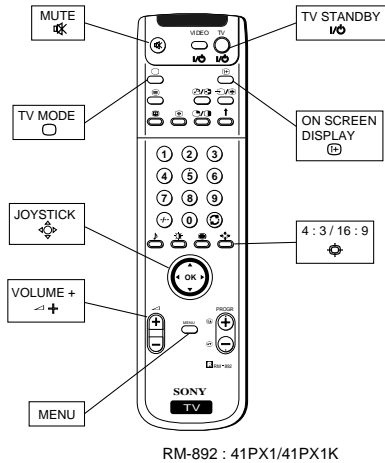
SECTION 6

ELECTRICAL ADJUSTMENTS

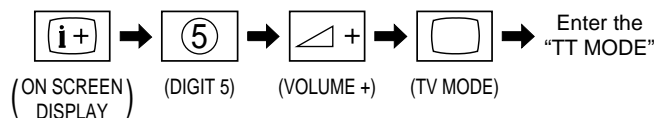
6-1. HOW TO ENTER THE SERVICE MODE

6-1-1. Adjustment Method with Commander

Service adjustment to this model can be performed with the supplied remote commander RM-892 (41PX1/41PX1K) or RM-862 (41PX1R).



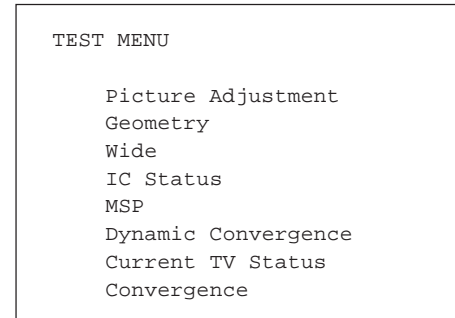
1. Turn on the main power switch of the set and enter into standby mode.
2. Press the following sequence of buttons on the Remote Commander.



“TT - -” will appear in the top right corner of the screen.
Other status information will also be displayed.

3. Press “MENU” on the commander to obtain the following menu on the screen.

(With some models, display items may be different from the following)



4. Move to the corresponding adjustment using the joystick (▲ or ▼ : up or down) on the commander.
5. Move the joystick to the right (▶) to enter the selected adjustment.
6. Press “OK” to exit.
7. Before TURN OFF is necessary:
DATA WRITE : Press “MUTE” + “0”
DATA COPY : Press “ON SCREEN DISPLAY” + “0”
8. Turn off the power to quit the service mode when adjustments are completed.

6-1-2. Screen Display on the Test Menu

(With some models, display items and contents may be different from the following)

Picture Adjustment

PICTURE ADJUSTMENT

| | | |
|-----------------|-----|--------|
| AFC Mode | 1 | 0 - 3 |
| Ref Position | 3 | 0 - 3 |
| SCP BGR | 1 | 0 - 3 |
| SCP BGF | 1 | 0 - 3 |
| Trap F0 | 0 | 0 - 15 |
| Sub Contrast | 11 | 0 - 15 |
| Sub Colour | 10 | 0 - 15 |
| Sub Brightness | 13 | 0 - 63 |
| Green Drive | 51 | 0 - 63 |
| Blue Drive | 43 | 0 - 63 |
| Green Cutoff | 8 | 0 - 15 |
| Blue Cutoff | 10 | 0 - 15 |
| Gamma | 1 | 0 - 3 |
| Pre / Overshoot | 2 | 0 - 3 |
| Y Delay | 3 | 0 - 7 |
| D Pic | ON | ON/OFF |
| D Colur | OFF | ON/OFF |
| DC Transfer | ON | ON/OFF |

Geometry (* : No need to adjust)

| GEOMETRY ADJUSTMENT | | | |
|---------------------|-----|------|--------|
| | 4:3 | 16:9 | |
| V Size | 15 | 15 | 0 - 63 |
| V Position | 47 | 47 | 0 - 63 |
| S Correction | 0 | 0 | 0 - 15 |
| V Linearity | 12 | 12 | 0 - 15 |
| H Size | 40 | 40 | 0 - 63 |
| H Position | 15 | 15 | 0 - 15 |
| Pin Amp | 18 | 20 | 0 - 63 |
| Pin Phase | 12 | 12 | 0 - 15 |
| AFC Bow | 8 | 8 | 0 - 15 |
| AFC Angle | 9 | 9 | 0 - 15 |
| * EHT V | 1 | 1 | 0 - 3 |
| * EHT H | 0 | 0 | 0 - 3 |
| Lo Corn Pin | 4 | 6 | 0 - 15 |
| Up Corn Pin | 1 | 3 | 0 - 15 |

Wide (* : No need to adjust)

| WIDE ADJUSTMENT | | | |
|------------------|-----|------|--------|
| | 4:3 | 16:9 | |
| * V Aspect | 47 | 47 | 0 - 63 |
| * V Scroll | 25 | 25 | 0 - 63 |
| * Upper V Lin | 0 | 0 | 0 - 15 |
| * Lower V Lin | 0 | 0 | 0 - 15 |
| * Left Blanking | 11 | 11 | 0 - 15 |
| * Right Blanking | 11 | 11 | 0 - 15 |

IC Status

| IC STATUS (CXA2076 / CXA2040) | |
|-------------------------------|----------|
| <u>CXA2076</u> | |
| H lock | 1 |
| IKR | 1 |
| V NG | 0 |
| XRAY | 0 |
| Colour System | 7 |
| CV1 Sync | 0 |
| <u>CXA2040</u> | |
| Sync Sep | 1 |
| S1 Mode Pin | 01 |
| S2 Mode Pin | 01 |
| <u>PORT EXPANDER</u> | |
| Power Good | 0 |
| <u>TUNER</u> | |
| Tuner Status | 01111100 |

MSP

| MSP ADJUSTMENT | | | |
|---------------------|-----|---------|---------------|
| SDR | 1 | CONCCT | 0 FAWCTIST 12 |
| AGC On / Off | ON | ON/OFF | |
| Constant Gain CDB | 0 | 0 - 20 | |
| FM Prescale FMP | 36 | 0 - 127 | |
| Zwei Mono-St WHI | 36 | 0 - 127 | |
| Zwei St-Mono WLO | 18 | 0 - 127 | |
| Zwei Mono-Bi WMH | 36 | 0 - 127 | |
| Zwei Bi-Mono WLO | 18 | 0 - 127 | |
| Time Zwei WML | 41 | 0 - 127 | |
| FAWCT Limit | 10 | 0 - 127 | |
| FAWCT Soll Init FAW | 12 | 0 - 127 | |
| FAW ER Tol | 2 | 0 - 127 | |
| NICAM Err Max CCT | 10 | 0 - 127 | |
| NICAM Err Min | 0 | 0 - 127 | |
| Time NICAM | 26 | 0 - 127 | |
| Audio Clock ACO | HIZ | ON/HIZ | |
| SCART Prescale | 25 | 0 - 127 | |
| SCART Volume | 64 | 0 - 127 | |
| NICAM Prescale I | 127 | 0 - 127 | |
| NICAM Prescale L | 97 | 0 - 127 | |
| NICAM Prescale BG | 97 | 0 - 127 | |
| NICAM Prescale DK | 97 | 0 - 127 | |

Dynamic Convergence

| DYNAMIC CONVERGENCE | | |
|---------------------|---|----------|
| Range | 0 | 0 - 42 |
| H stat | 0 | OFF - 63 |
| H amp l | 0 | OFF - 63 |
| H amp r | 0 | OFF - 63 |
| Up Y | 0 | OFF - 63 |
| Low Y | 0 | OFF - 63 |
| Y up l | 0 | OFF - 63 |
| Y up r | 0 | OFF - 63 |
| Y low l | 0 | OFF - 63 |
| Y low r | 0 | OFF - 63 |
| Mbow up l | 0 | OFF - 63 |
| Mbow up r | 0 | OFF - 63 |
| Mbow low l | 0 | OFF - 63 |
| Mbow low r | 0 | OFF - 63 |
| V stat | 0 | OFF - 63 |